

Form PTO-1449 U.S. Department of Commerce  
(Rev. 2-32) Patent and Trademark Office  
Information Disclosure  
Statement by Applicant  
(Use several sheets if necessary)

Atty. Docket No.  
CIS-061

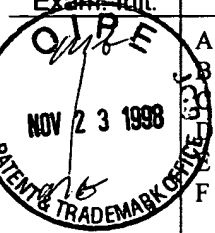
Serial No.  
09/174,046

Applicant: Andrew Harvey

Filing Date: October 16, 1998

Group: 2756

### U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	SubClass	Filing Date
	4,679,189	07/87	Olson, et al.	370	60	
	5,095,480	03/92	Fenner	370	94.1	
	5,287,453	02/94	Roberts	395	200	
	5,490,258	02/96	Fenner	395	401	
	5,630,125	05/97	Zellweger	395	614	
	5,748,186	05/98	Raman	345	302	

### FOREIGN PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Country	Class	SubClass	Translation	
						Yes	No

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner

*Mehmet G. G. G.*

Date Considered

5/17/00

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant

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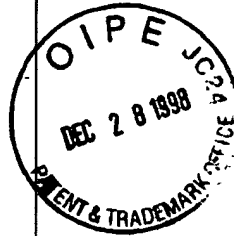
Applicant: Andrew Harvey

Filing Date: October 16, 1998

Group: 2756

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
MB	A	5,684,797	11/97	Aznar et al.	370	390	
MB	B	5,689,506	11/97	Chiussi et al.	370	388	



FOREIGN PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Country	Class	SubClass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner

*Melvin G. G. G.*

Date Considered

*5/17/00*

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09/174,646

#7

Art Cited

## United States Patent Numbers:

*Not  
considered*  
5,841,874 5,750,097 5,034,919 4,965,767*Not  
relevant  
to present  
applicant  
M.C.*  
5,602,770

## Foreign Patent Documents:

Examiner: Melvin Gold

Date Considered: 5/17/00

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U.S. Department of Commerce  
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Filing Date: October 16, 1998

Group: 2756

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PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
ML	A	5,631,908	05/20/97	Saxe	370	235	3/28/95
	B	5,687,324	11/11/97	Green et al	370	414	11/8/95
	C	5,724,351	3/3/98	Chao et al	370	395	4/15/95
	D	5,754,547	5/19/98	Nakazawa	370	401	4/26/96
	E	5,854,903	12/29/98	Morrison et al	709	249	11/7/95
MB	F	5,898,686	4/27/99	Virgile	370	381	12/12/96

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FOREIGN PATENT DOCUMENTS

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Melba G. Li

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**Complete if Known**

<b>Application Number</b>	09/174,046
<b>Filing Date</b>	October 16, 1998
<b>First Named Inventor</b>	Andrew Harvey
<b>Group Art Unit</b>	2756
<b>Examiner Name</b>	Not Assigned
<b>Attorney Docket Number</b>	CIS-061

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Sheet 1 of 2

Attorney Docket Number CIS-061

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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	2
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Attorney Docket Number	CIS-061
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Group 2700

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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MelA geht

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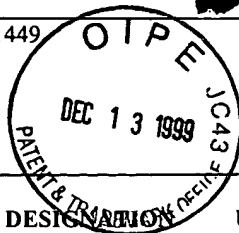
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FORM PTO-1449	ATTY. DOCKET NO. CIS-061	SERIAL NO 09/174,046
APPLICANT Andrew Harvey		
FILING DATE October 16, 1998	GROUP 2756	



**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>ML</i>	4,979,118	12/90	Kheradpir, Shaygan	364	136
<i>ML</i>	5,892,924	04/99	Lyon et al	395	200.75
<i>ML</i>	5,519,858	05/96	Walton et al	395	600
<i>ML</i>	5,309,437	05/94	Perlman et al	730	2700

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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLAS	TRANSLATION	
						YES	NO

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**


Examiner: *Melt Galt* Date considered *5/17/00*





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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	10
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<b>Group Art Unit</b>	2756
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	CIS-061

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
ML		4,677,423		Benvenuto, et al.	06/30/87	
		4,679,189		Olson, et al.	07/07/87	
		4,679,227		Hughes-Hartogs	07/07/87	
		4,723,267		Jones, et al.	02/02/88	
		4,731,816		Hughes-Hartogs	03/15/88	
		4,750,136		Arpin, et al.	06/07/88	
		4,757,495		Decker, et al.	07/12/88	
		4,763,191		Gordon, et al.	08/09/88	
		4,769,810		Eckberg, Jr., et al.	09/06/88	
		4,769,811		Eckberg, Jr., et al.	09/06/88	
		4,771,425		Baran, et al.	09/13/88	
		4,819,228		Baran, et al.	04/04/89	
		4,827,411		Arrowood, et al.	05/02/89	
		4,833,706		Hughes-Hartogs	05/23/89	
		4,835,737		Herrig, et al.	05/30/89	
		4,879,551		Georgiou, et al.	11/07/89	
		4,893,306		Chao, et al.	01/09/90	
		4,903,261		Baran, et al.	02/20/90	
		4,922,486		Lidinsky, et al.	05/01/90	
ML		4,933,937		Konishi	06/12/90	

## FOREIGN PATENT DOCUMENTS

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<b>Group Art Unit</b>	2756
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	CIS-061

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Sheet 3 of 10

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
ME		4,960,310		Cushing	10/02/90	
		4,962,497		Ferenc, et al.	10/09/90	
		4,962,532		Kasirai, et al.	10/09/90	
		4,965,772		Daniel, et al.	10/23/90	
		4,970,678		Sladowski, et al.	11/13/90	
		4,980,897		Decker, et al.	12/25/90	
		4,991,169		Davis, et al.	02/05/91	
		5,003,595		Collins, et al.	03/26/91	
		5,014,265		Hahne, et al.	05/07/91	
		5,020,058		Holden, et al.	05/28/91	
		5,033,076		Jones, et al.	07/16/91	
		5,054,034		Hughes-Hartogs	10/01/91	
		5,059,925		Weisbloom	10/22/91	
		5,072,449		Enns, et al.	12/10/91	
		5,088,032		Bosack	02/11/92	
		5,095,480		Fenner	03/10/92	
		5,115,431		Williams, et al.	05/19/92	
		5,128,945		Enns, et al.	07/07/92	
		5,136,580		Videlock, et al.	08/04/92	
ME		5,166,930		Braff, et al.	11/24/92	

## FOREIGN PATENT DOCUMENTS

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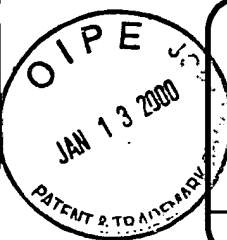
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet **4** of **10****Complete if Known**

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Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

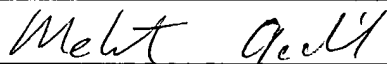
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		Number	Kind Code <sup>2</sup> (if known)			
MB		5,199,049		Wilson	03/30/93	
		5,206,886		Bingham	04/27/93	
		5,212,686		Joy, et al.	05/18/93	
		5,224,099		Corbalis, et al.	06/29/93	
		5,226,120		Brown, et al.	07/06/93	
		5,228,062		Bingham	07/13/93	
		5,229,994		Balzano, et al.	07/20/93	
		5,237,564		Lespagnol, et al.	08/17/93	
		5,241,682		Bryant, et al.	08/31/93	
		5,243,342		Kattemalalavadi, et al.	09/07/93	
		5,243,596		Port, et al.	09/07/93	
		5,247,516		Bernstein, et al.	09/21/93	
		5,249,178		Kurano, et al.	09/28/93	
		5,253,251		Aramaki	10/12/93	
		5,255,291		Holden, et al.	10/19/93	
		5,260,933		Rouse	11/09/93	
		5,260,978		Fleischer, et al.	11/09/93	
		5,268,592		Bellamy, et al.	12/07/93	
MB		5,268,900		Hluchyj, et al.	12/07/93	
		5,271,004		Proctor, et al.	12/14/93	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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<b>Attorney Docket Number</b>	CIS-061

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		Number	Kind Code <sup>2</sup> (if known)			
nlb		5,274,631		Bhardwaj	12/28/93	
		5,274,635		Rahman, et al.	12/28/93	
		5,274,643		Fisk	12/28/93	
		5,280,470		Buhrke, et al.	01/18/94	
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		5,280,500		Mazzola, et al.	01/18/94	
		5,283,783		Nguyen, et al.	02/01/94	
		5,287,103		Kasprzyk, et al.	02/15/94	
		5,287,453		Roberts	02/15/94	
		5,291,482		McHarg, et al.	03/01/94	
		5,305,311		Lyles	04/19/94	
		5,307,343		Bostica, et al.	04/26/94	
		5,311,509		Heddes, et al.	05/10/94	
		5,313,454		Bustini, et al.	05/17/94	
		5,313,582		Hendel, et al.	05/17/94	
		5,317,562		Nardin, et al.	05/31/94	
		5,319,644		Liang	06/07/94	
		5,327,421		Hiller, et al.	07/05/94	
		5,331,637		Francis, et al.	07/19/94	
nlb		5,345,445		Hiller, et al.	09/06/94	

## FOREIGN PATENT DOCUMENTS

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<b>Attorney Docket Number</b>	CIS-061

*(use as many sheets as necessary)*

Sheet	6	of	10
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Attorney Docket Number	C/S-061
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ML		5,345,446		Hiller, et al.	09/06/94	
		5,359,592		Corbalis, et al.	10/25/94	
		5,361,250		Nguyen, et al	11/01/94	
		5,361,256		Doeringer, et al.	11/01/94	
		5,361,259		Hunt, et al.	11/01/94	
		5,365,524		Hiller, et al.	11/15/94	
		5,367,517		Cidon, et al.	11/22/94	
		5,371,852		Attanasio, et al.	12/06/94	
		5,386,567		Lien, et al.	01/31/95	
		5,390,170		Sawant, et al.	02/14/95	
		5,390,175		Hiller, et al.	02/14/95	
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## FOREIGN PATENT DOCUMENTS

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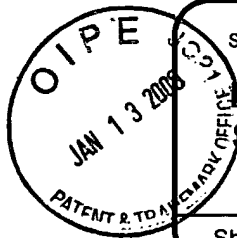
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Sheet **8** of **10**

## **Complete if Known**

Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

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## **U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
<i>MB</i>		5,598,581		Daines, et al.	01/28/97	
		5,604,868		Komine, et al.	02/18/97	
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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>MB</i>			WO93/07569		Harriman, et al.	04/15/93		
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<i>MB</i>			0 567 217 A2		Hart <i>EPX</i>	10/27/93		

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*Mehmet G. G. G.*

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**Complete if Known**

<b>Application Number</b>	09/174,046
<b>Filing Date</b>	October 16, 1998
<b>First Named Inventor</b>	Andrew Harvey
<b>Group Art Unit</b>	2756
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	CIS-061

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Sheet	9	of	10
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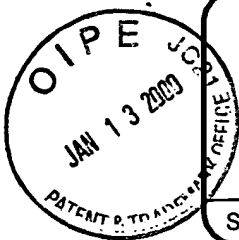


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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

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## **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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*M. A. Guly*

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